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SCIENTIFIC NEWS.

THE tenth congress of Russian naturalists and physicians takes place this year at Kieff, August 21-30, under the presidency of Prof. J. Rachmaninoff.

Dr. Franz Ritter von Hauer, for several years intendant of the Hof Museum of Vienna, has been retired.

The British Association for the Advancement of Science will hold its meeting for 1899 at Dover, from September 13-20, probably under the presidency of Prof. Michael Foster. The French Association will meet at about the same time on the opposite side of the channel, at Boulogne, so that visits can be exchanged between the two associations. The place of meeting in 1900 has not yet been decided; possibly it will be at Bradford. In 1901 the meeting will be held in Glasgow.

Dr. William T. Brigham has been appointed director of the Berenice Panahi Bishop Museum at Honolulu, H. I. A large addition is to be made to the museum building.

The sixty-ninth anniversary meeting of the Zoölogical Society of London was held April 11, 1898. From the reports we extract the following items. At the close of the year the number of fellows was 3158; the income for the year was nearly £29,000; and the library contained over 20,000 volumes. Three new buildings were opened to the public. The society met with a serious loss in the death of A. D. Bartlett, for 38 years superintendent of the gardens. His son, Clarence Bartlett, was appointed to the position. The visitors to the garden in 1897 were 717,755, and the number of animals on exhibition was 2585, about half of these being birds. The election of officers for the ensuing year resulted as follows: President, Sir W. H. Flower; secretary, P. L. Sclater; treasurer, Chas. Drummond; members of council, F. E. Beddard, W. T. Blanford, R. Lydekker, H. Saunders, and C. S. Tones.

The German Society of Anatomists held its twelfth annual meeting at Kiel, April 17-20, 1898. Among the papers read were the following: Pfitzner, on brachyphalangy and related questions; Barfourth, artificial production of spina bifida in Amphibian larvæ; Unna, the

fat of dermal glands; van Wijhe, the contribution of the ectoderm to the pronephric duct; Rabl, the non-contribution of the ectoderm to the pronephric duct; Bethe, primitive fibrillæ in the ganglion cells and nerve fibres of vertebrates and invertebrates; H. Virchow, surface views of selachian embryos and the region of mesoderm formation; Kopsch, experimental researches on the primitive streak of the chick — similar developmental forms in vertebrates and invertebrates; Reinke, direct cell division and degeneration of the nucleus in liver cells; Meves, spermatogenesis in mammals; Osarva, position of Hatteria in the system; Lenhossek, new centrosomal discoveries; van der Stricht, nucleus of Balbiani; Rabl, anatomy and structure of the lens; Mollier, mechanics of the shoulder girdle; Kolster, Mauthner's fibres in teleosts; Kölliker, dilator pupillæ in white rabbits — primitive fat organ in young mammals — striped muscle in the ligamentum-uteri steres — structure of the ovary in the horse; Gaupp, primordial cranium in *Lacerta agilis*; Braus, extremities of selachians; Ravn, allantoic stalk of the chick; Klaatsch, tentacle apparatus of *Amphioxus*; Graf Spee, model of the youngest-known human embryo; Mitrophanow, gastrulation in amniotes; Broman, development of the ossicula auditus in man; Märten, development of the larynx in the anura; Kallius, development of the larynx in man; Maurer, derivatives of the gill slits in lizards; Grönroos, primary germ layers in *Salamandra*; Benda, genesis of the spiral filament in the mammalian spermatozoön. The only American to join the society this year was Dr. R. G. Harrison, of Baltimore. The meeting next year will be held in Tübingen, at Whitsuntide.

Recent appointments: Rudolf Beyer, honorary professor of botany in Berlin. — Dr. Arthur Bornträger, director of the agricultural station in Palermo. — Dr. Emil Böse, of Karlsruhe, government geologist of Mexico. — Dr. Friedrich Moritz Brauer, director of the zoölogical collections in the Vienna Hof Museum. — Dr. Alessandro Coggi, of Bologna, professor of zoölogy, comparative anatomy, and physiology in the University of Perugia. — Dr. Giovanni Battista Condorelli, professor of natural science in the technical school at Gaeta, Italy. — Dr. Hanson Kelly Corning, extraordinary professor of anatomy in the University of Bern. — Pierre Fauvel, professor of zoölogy in the University of Angers, France. — Dr. Adriano Fiori, privat docent in botany in the University of Padua. — Dr. Bela Haller, professor extraordinarius of zoölogy in the University of Heidelberg. — Dr. Franz Hoffmann, privat docent for physiology in the University of

Leipzig. — Ludwig Kathariner, professor of zoölogy and comparative anatomy in the University of Freiburg, Switzerland. — Dr. F. L. Kitchen, paleontologist to the geological survey of Great Britain. — Oreste Mattivolo, professor of botany in the Instituto di Studi Superior in Florence. — Dr. Aladár Richter, privat docent for vegetable anatomy in the University of Budapest. — Dr. Domenico Sangiorgi, assistant in the geological cabinet of the University of Parma. — Dr. G. Adolf Sauer, extraordinary professor of geology in the University of Heidelberg. — Dr. Paul Schiemenz, director of the biological and fishery investigation station "Muggelsee," near Berlin. — Dr. J. L. C. Schroeder van der Kolk, professor of mineralogy in the Polytechnicum at Delft, Holland. — Dr. Eugenio Serra, assistant in the botanical garden at Palermo. — Dr. Franz Steindacher, intendant of the Natural History Museum in Vienna. — Dr. Johannes Thiele, of Strasburg, assistant in the zoölogical collections of the Agricultural School at Berlin. — Dr. A. Weberbauer, privat docent for botany in the University of Breslau.

Recent deaths: José d'Anchietá, zoölogist in Angola, Sept. 14, 1897. — Frederick Charles Aplin, ornithologist in Bodicote, England, aged 43 years. — Alphonse Briart, geologist at Mariemont, Belgium, March 15, aged 73. — Dr. Max Dahmen, bacteriologist, in Krefeld, Germany. — George Christopher Dennis, dipterologist, in York, England, December 22, aged 70 years. — Franz Fiala, botanist and archæologist, curator of the ethnological collections of the Museum of Bosnia-Herzegovina, at Sarajevo, January 28, aged 36. — Dr. K. B. Jacob Forssell, lichenologist, at Karlstad, Sweden, February 11. — Dr. Samuel Gordon, president of the Royal Zoölogical Society of Dublin. — Lieut. Charles Cooper King, geologist, in Camberley, Surrey, England, January 16, aged 55. — E. J. S. Linnarsson, botanist, in Sköfde, Sweden. — Emmanuel Martin, lepidopterologist, at Creil, France. — John Carrick Moore, geologist, in London, February 10, aged 94. — Alfred Monod, cryptogamic botanist, at Neuilly, near Paris, aged 61. — Dr. Guiseppe Palma, zoölogist, in Naples, January 18. — A. J. Horace Pelletier, student of injurious insects in Madon, France. — John Robert Streatham Hunter-Selkirk, geologist and antiquary at Braidwood, Scotland, March 23, aged 62. — Thomas James Stoller, geologist, at Evesham, England.